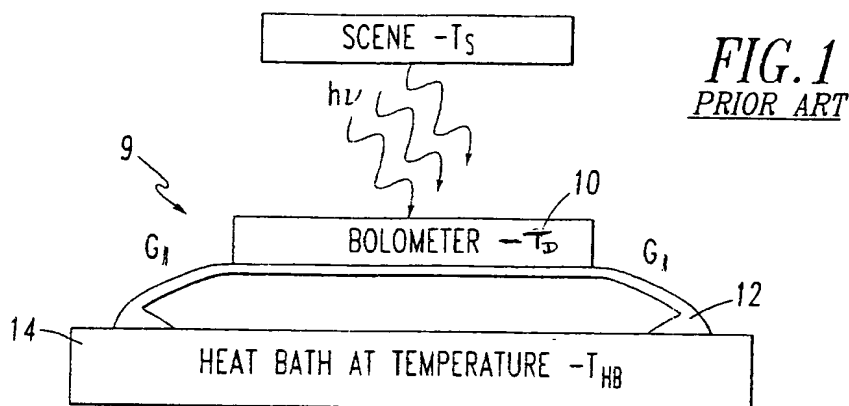
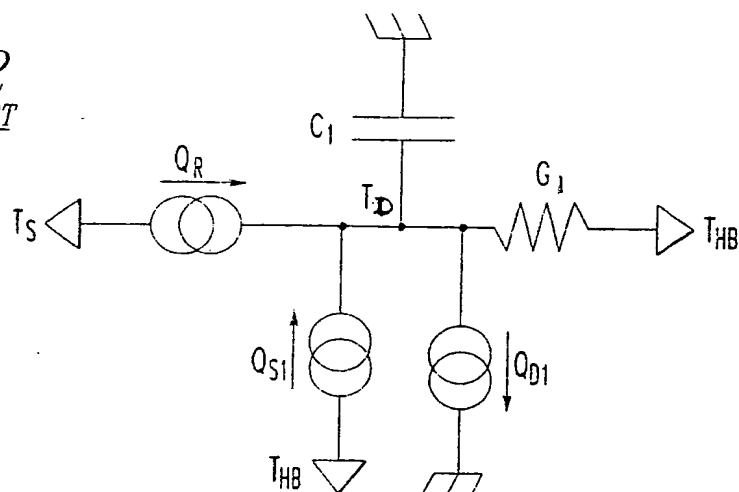


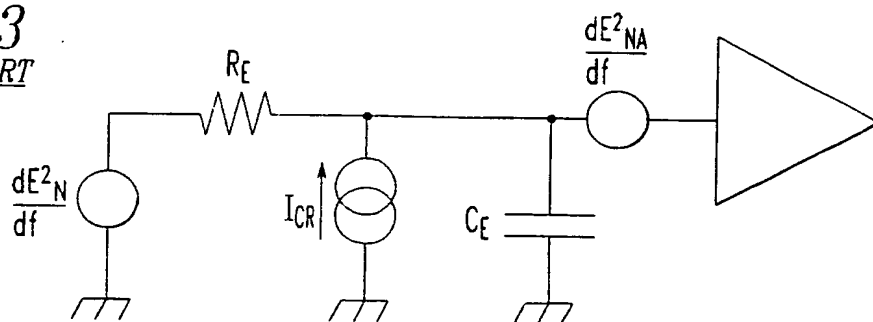
1/6



**FIG. 2**  
PRIOR ART



**FIG. 3**  
PRIOR ART



2/6

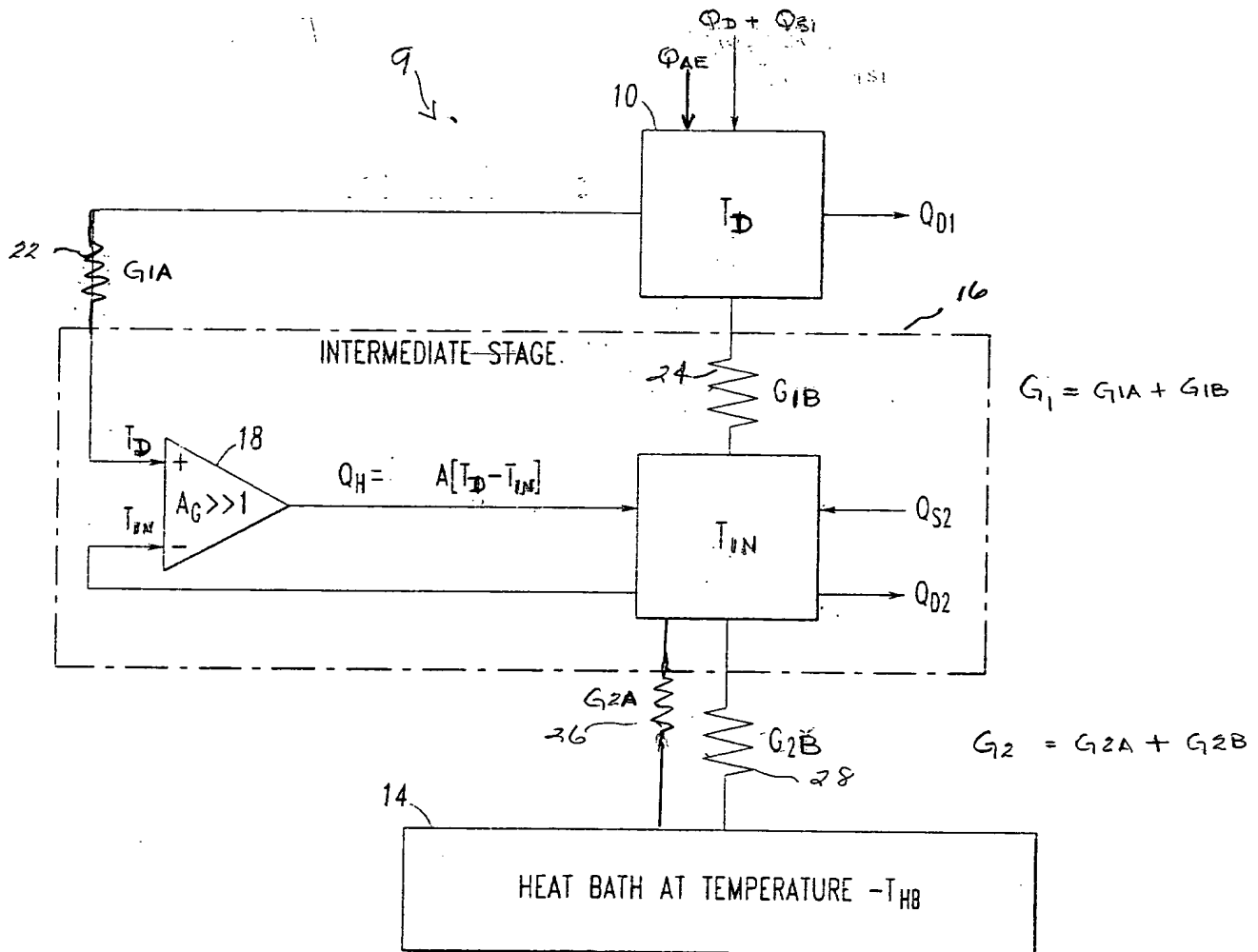


FIG.4

3/6

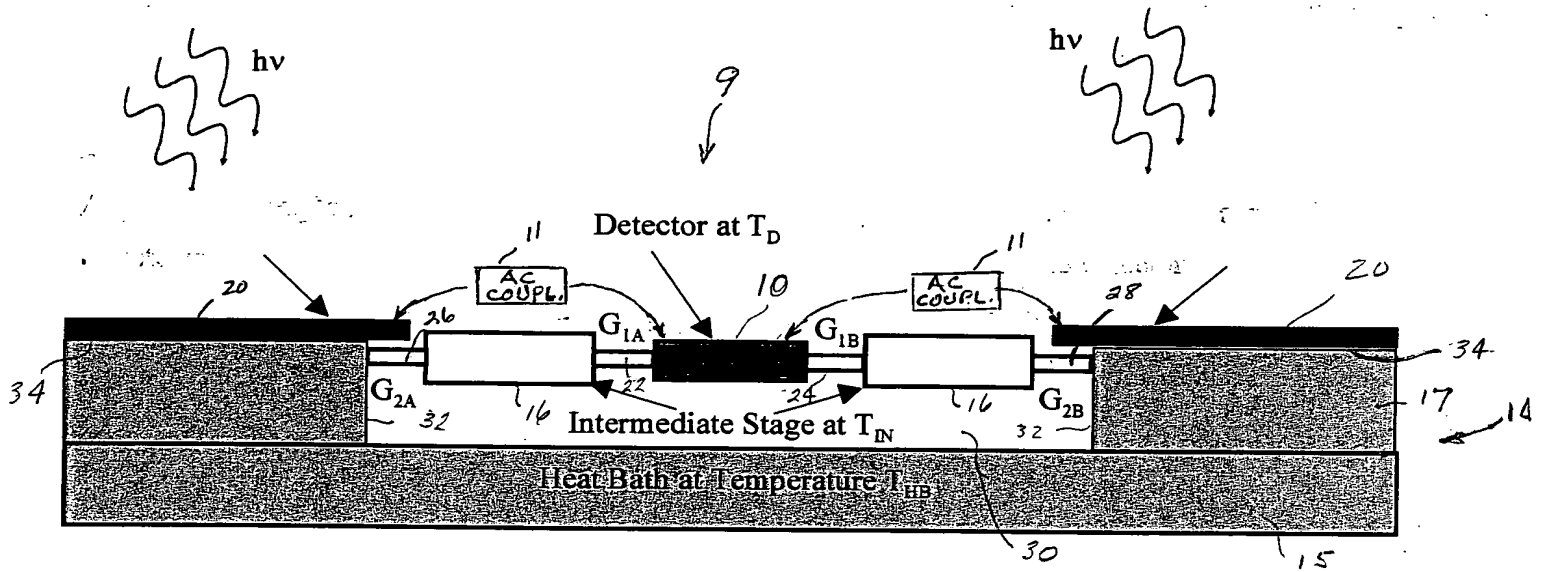
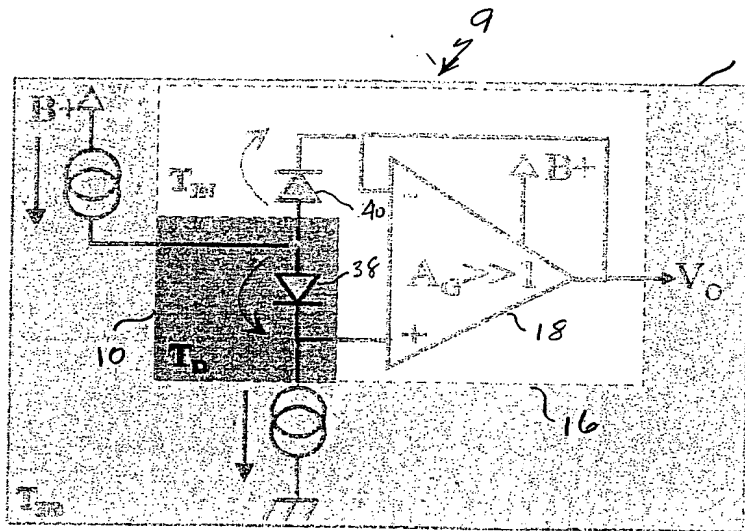


FIG. 5



Amplifier Input:  $V_{IN} = \Delta\Phi_D(T_D) - \Delta\Phi_{IN}(T_{IN})$

Amplifier Output:  $V_O = A_G[\Delta\Phi_D(T_D) - \Delta\Phi_{IN}(T_{IN})]$

Heater Power:  $Q_H = I_H V_O$

FIG. 6

4/6

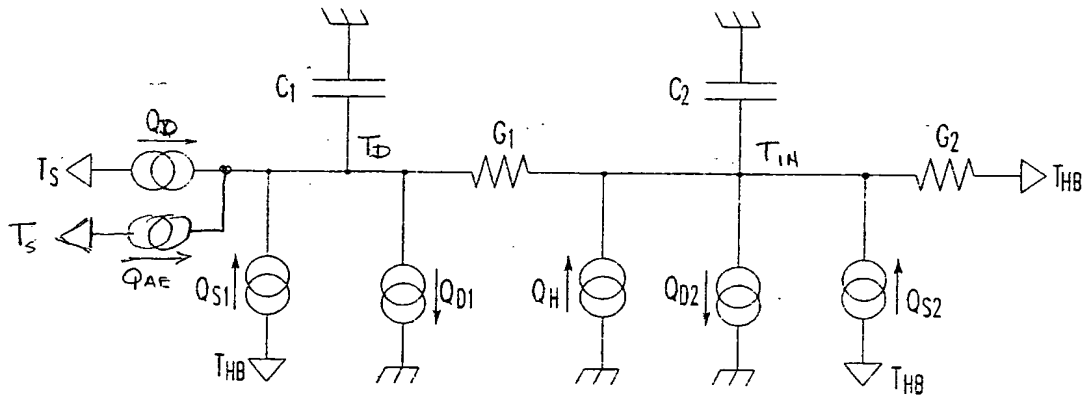


FIG. 7

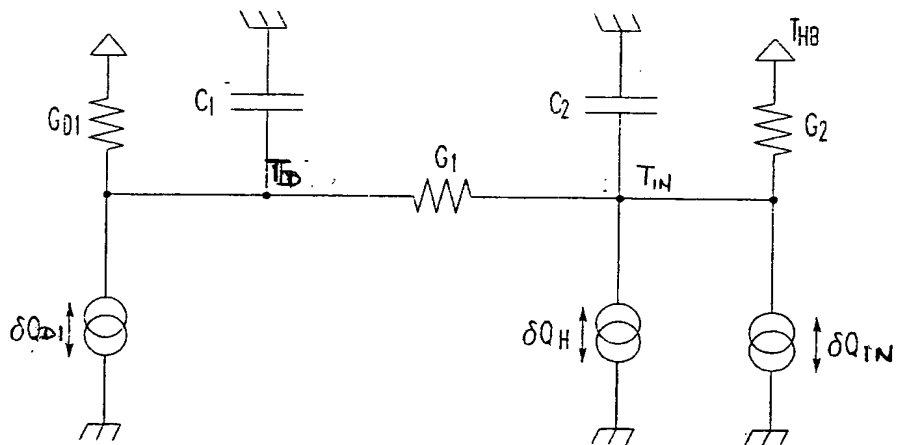
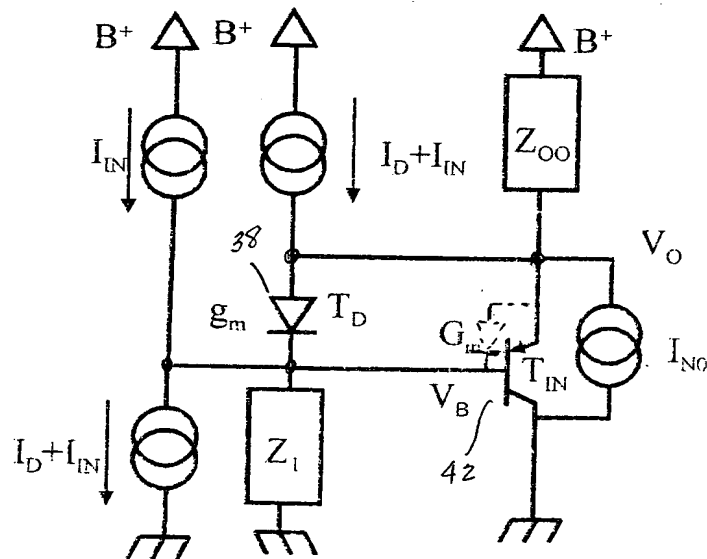
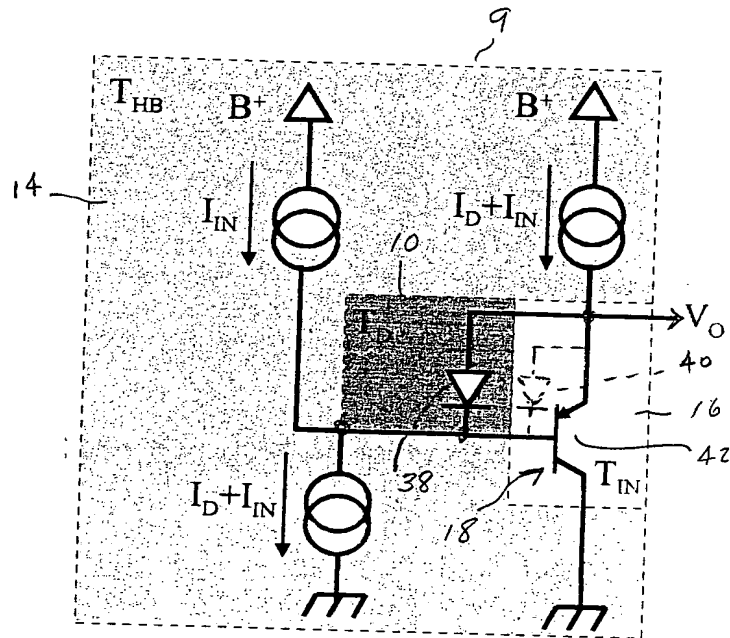


FIG. 8

5/6



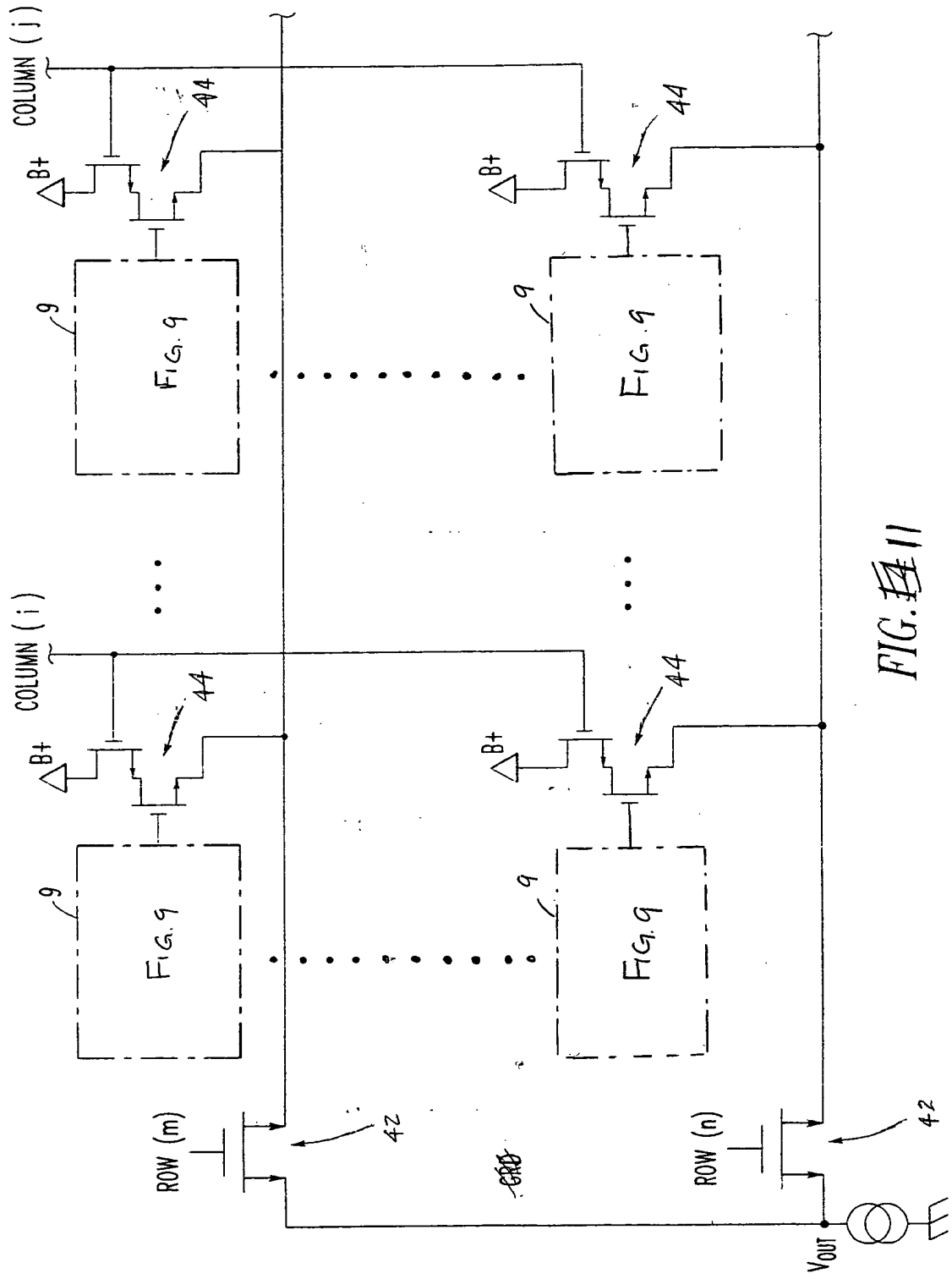


FIG. 11